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SUBMITTING MANUSCRIPTS

Manuscripts for consideration should be sent to the editor, Linda Hawes Clever, MD, PO Box 7602, San Francisco, CA 94120-7602; overnight mail, 221 Main St, San Francisco, CA 94105.

"Instructions for Authors"—A complete guide to manuscript submission and WJM style appears

in most issues. Manuscripts may be prepared in accordance with the "Uniform Requirements for Manuscripts Submitted to Biomedical Journals" (*Annals of Internal Medicine*, Feb 1988; *The Medical Journal of Australia*, Feb 1988).

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BuSpar® (buspirone HCl)

References: 1. Newton RE, et al: A review of the side effect profile of buspirone. *Am J Med* 1986;80(3B):17-21. 2. Lucki I, et al: Differential effects of the anxiolytic drugs, diazepam and buspirone, on memory function. *Br J Clin Pharmacol* 1987;23:207-211. 3. Lader M: Assessing the potential for buspirone dependence or abuse and effects of its withdrawal. *Am J Med* 1987;82(5A):20-26.

Contraindications: Hypersensitivity to buspirone hydrochloride.

Warnings: The administration of BuSpar to a patient taking a monoamine oxidase inhibitor (MAOI) may pose a hazard. Since blood pressure has become elevated when BuSpar was administered concomitantly with an MAOI, such concomitant use is not recommended. BuSpar should not be employed in lieu of appropriate antipsychotic treatment.

Precautions: **General—Interference with cognitive and motor performance:** Although buspirone is less sedating than other anxiolytics and does not produce significant functional impairment, its CNS effects in a given patient may not be predictable; therefore, patients should be cautioned about operating an automobile or using complex machinery until they are reasonably certain that buspirone does not affect them adversely. Although buspirone has not been shown to increase alcohol-induced impairment in motor and mental performance, it is prudent to avoid concomitant use with alcohol.

Potential for withdrawal reactions in sedative/hypnotic/anxiolytic drug dependent patients: Because buspirone will not block the withdrawal syndrome often seen with cessation of therapy with benzodiazepines and other common sedative/hypnotic drugs, before starting buspirone withdrawal patients gradually from their prior treatment, especially those who used a CNS depressant chronically. Rebound or withdrawal symptoms may occur over varying time periods, depending in part on the type of drug and its elimination half-life. The withdrawal syndrome can appear as any combination of irritability, anxiety, agitation, insomnia, tremor, abdominal cramps, muscle cramps, vomiting, sweating, flu-like symptoms without fever, and occasionally, even as seizures.

Possible concerns related to buspirone's binding to dopamine receptors: Because buspirone can bind to central dopamine receptors, a question has been raised about its potential to cause acute and chronic changes in dopamine mediated neurological function (eg, dystonia, pseudoparkinsonism, akathisia, and tardive dyskinesia). Clinical experience in controlled trials has failed to identify any significant neuroleptic-like activity; however, a syndrome of restlessness, appearing shortly after initiation of treatment, has been reported; the syndrome may be due to increased central noradrenergic activity or may be attributable to dopaminergic effects (ie, represent akathisia).

Information for Patients: Patients should be instructed to inform their physician about any medications, prescription or nonprescription, alcohol or drugs they are now taking or plan to take during treatment with buspirone, to inform their physician if they are pregnant, are planning to become pregnant, or become pregnant while taking buspirone; to inform their physician if they are breast feeding; and not to drive a car or operate potentially dangerous machinery until they experience how this medication affects them.

Drug Interactions: Concomitant use with other CNS active drugs should be approached with caution (see **Warnings**). Concomitant use with trazodone may have caused 3- to 6-fold elevations on SGPT (ALT) in a few patients. Concomitant administration of BuSpar and haloperidol resulted in increased serum haloperidol concentrations in normal volunteers. The clinical significance is not clear. Buspirone does not displace tightly bound drugs like phenytoin, propranolol, and warfarin from serum proteins, but may displace less firmly bound drugs like digoxin. However, there was one report of prolonged prothrombin time when buspirone was given to a patient also treated with warfarin, phenytoin, phenobarbital, digoxin, and Synthroid.

Carcinogenesis, Mutagenesis, Impairment of Fertility: No evidence of carcinogenic potential was observed in rats or mice; buspirone did not induce point mutations, nor was DNA damage observed; chromosomal aberrations or abnormalities did not occur.

Pregnancy: Teratogenic Effects—Pregnancy Category B: Should be used during pregnancy only if clearly needed.

Nursing Mothers—Administration to nursing women should be avoided if clinically possible.

Pediatric Use—The safety and effectiveness have not been determined in individuals below 18 years of age.

Use in the Elderly—No unusual, adverse, age-related phenomena have been identified in elderly patients receiving a total, modal daily dose of 15 mg.

Use in Patients with Impaired Hepatic or Renal Function—Since buspirone is metabolized by the liver and excreted by the kidneys, it is not recommended in severe hepatic or renal impairment.

Adverse Reactions (See also Precautions): Commonly Observed—The more commonly observed untoward events, not seen at an equivalent incidence in placebo-treated patients, include dizziness, nausea, headache, nervousness, lightheadedness, and excitement.

Associated with Discontinuation of Treatment—The more common events causing discontinuation included: central nervous system disturbances (3.4%), primarily dizziness, insomnia, nervousness, drowsiness, lightheaded feeling, gastrointestinal disturbances (1.2%), primarily nausea, miscellaneous disturbances (1.1%), primarily headache and fatigue. In addition, 3.4% of patients had multiple complaints, none of which could be characterized as primary.

Incidence in Controlled Clinical Trials—Adverse events reported by 1% or more of 477 patients who received buspirone in four-week, controlled trials: **Cardiovascular:** tachycardia/palpitations 1%, **CNS:** Dizziness 12%, drowsiness 10%, nervousness 5%, insomnia 3%, lightheadedness 3%, decreased concentration 2%, excitement 2%, anger/hostility 2%, confusion 2%, depression 2%, **EENT:** Blurred vision 2%, **Gastrointestinal:** Nausea 8%, dry mouth 3%, abdominal/gastric distress 2%, diarrhea 2%, constipation 1%, vomiting 1%, **Musculoskeletal:** Musculoskeletal aches/pains 1%, **Neurological:** Numbness 2%, paresthesia 1%, incoordination 1%, tremor 1%, **Skin:** Skin rash 1%, **Miscellaneous:** Headache 6%, fatigue 4%, weakness 2%, sweating/clamminess 1%.

Other Events Observed During the Entire Premarketing Evaluation—The relative frequency of all other undesirable events reasonably associated with the use of buspirone in approximately 3000 subjects who took multiple doses of the drug under well-controlled, open, and uncontrolled conditions is defined as follows: Frequent are those occurring in at least 1/100 patients; infrequent are those occurring in 1/100 to 1/1000 patients; and rare are those occurring in less than 1/1000 patients. **Cardiovascular:** frequent: non-specific chest pain; infrequent: syncope, hypotension, hypertension; rare: cerebrovascular accident, congestive heart failure, myocardial infarction, cardiomyopathy, bradycardia. **Central Nervous System:** frequent: dream disturbances; infrequent: depersonalization, dysphoria, noise intolerance, euphoria, akathisia, fearfulness, loss of interest, dissociative reaction, hallucinations, suicidal ideation, seizures; rare: feelings of claustrophobia, cold intolerance, stupor, slurred speech, psychosis. **EENT:** frequent: tinnitus, sore throat, nasal congestion; infrequent: redness and itching of the eyes, altered taste, altered smell, conjunctivitis; rare: inner ear abnormality, eye pain, photophobia, pressure on eyes. **Endocrine:** rare: galactorrhea, thyroid abnormality. **Gastrointestinal:** infrequent: flatulence, anorexia, increased appetite, salivation, irritable colon, rectal bleeding; rare: burning of the tongue. **Genitourinary:** infrequent: urinary frequency, urinary hesitancy, menstrual irregularity and spotting, dysuria; rare: amenorrhea, pelvic inflammatory disease, enuresis, nocturia. **Musculoskeletal:** infrequent: muscle cramps, muscle spasms, rigid/stiff muscles, arthralgias. **Neurological:** infrequent: involuntary movements, slowed reaction time; rare: muscle weakness. **Respiratory:** infrequent: hyperventilation, shortness of breath, chest congestion; rare: epistaxis. **Sexual Function:** infrequent: decreased or increased libido; rare: delayed ejaculation, impotence. **Skin:** infrequent: edema, pruritus, flushing, easy bruising, hair loss, dry skin, facial edema, blisters; rare: acne, thinning of nails. **Clinical Laboratory:** infrequent: increases in hepatic aminotransferases (SGOT, SGPT); rare: eosinophilia, leukopenia, thrombocytopenia. **Miscellaneous:** infrequent: weight gain, fever, roaring sensation in the head, weight loss, malaise; rare: alcohol abuse, bleeding disturbance, loss of voice, hiccups.

Postintroduction Clinical Experience—Rare occurrences of allergic reactions, cogwheel rigidity, dystonic reactions, echymosis, emotional lability, tunnel vision, and urinary retention have been reported. Because of the uncontrolled nature of these spontaneous reports, a causal relationship to BuSpar has not been determined.

Drug Abuse and Dependence: Controlled Substance Class—Not a controlled substance.

Physical and Psychological Dependence—Buspirone has shown no potential for abuse or diversion and there is no evidence that it causes tolerance, or either physical or psychological dependence. However, since it is difficult to predict from experiments the extent to which a CNS-active drug will be misused, diverted, and/or abused once marketed, physicians should carefully evaluate patients for a history of drug abuse and follow such patients closely, observing them for signs of buspirone misuse or abuse (eg, development of tolerance, incrementation of dose, drug-seeking behavior).

Overdosage: Signs and Symptoms—At doses approaching 375 mg/day the following symptoms were observed: nausea, vomiting, dizziness, drowsiness, miosis, and gastric distress. No deaths have been reported in humans either with deliberate or accidental overdosage.

Recommended Overdose Treatment—General symptomatic and supportive measures should be used along with immediate gastric lavage. No specific antidote is known and dialyzability of buspirone has not been determined.

For complete details, see Prescribing Information or consult your Mead Johnson Pharmaceuticals Representative.

U.S. Patent Nos. 3,717,634 and 4,182,763

MJLB-4270

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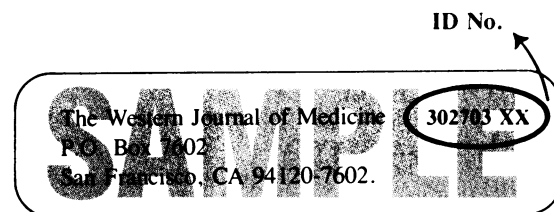
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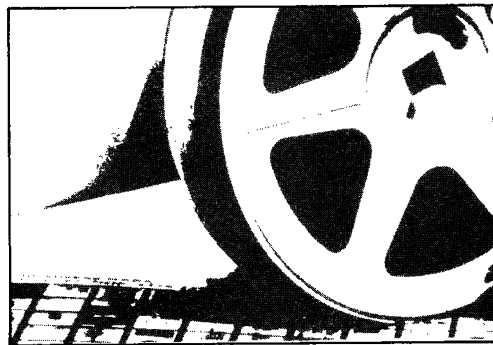
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ANESTHESIOLOGY

September 7-8—**Case Conference in Anesthesia.** California Society of Anesthesiologists at Horizon Hotel, Lake Tahoe, Nevada. Sat-Sun. 9 hrs. \$150. Contact: California Society of Anesthesiologists, 1065 E Hillsdale Blvd, Ste 410, Foster City. (800) 345-3691.

September 14—**Current Concepts in Pediatric Anesthesia.** Children's Hospital, Oakland. Sun. 14 hrs. 7 hrs. \$150. Contact: Children's Hospital, 747-52nd St, Oakland 94609. (415) 428-3021.

November 3-9—**Hawaiian Seminar on Clinical Anesthesia.** California Society of Anesthesiologists at Hyatt Regency Hotel, Poipu Beach, Kauai, Hawaii. 1 week. 20 hrs. \$415. Contact: CSA, 1065 E Hillsdale Blvd, Ste 410, Foster City 94404. (800) 345-3691.

KEY TO ABBREVIATIONS

- CMA:** California Medical Association
Contact: Continuing Medical Education, California Medical Association, PO Box 7690, San Francisco 94120-7690. (415) 541-0900.
- DREW:** Charles R. Drew Postgraduate Medical School
Contact: Herbert M. Thomas, MD, MPH, Director of CME, Office of Continuing Education, Charles R. Drew Postgraduate Medical School, 1621 East 120th St, Los Angeles 90059. (213) 603-3183.
- LLU:** Loma Linda University
Contact: James J. Couperus, MD, Associate Dean for Educational Affairs, Loma Linda University School of Medicine, Loma Linda 92350.
- PMC:** Pacific Medical Center
Contact: Continuing Education, Pacific Medical Center, PO Box 7999, San Francisco 94120. (415) 563-4321, ext 2761.
- STAN:** Stanford University
Contact: Edward Rubenstein, MD, Associate Dean for Postgraduate Education, Medical School Office Building, Suite X-365, Stanford 94305-6114. (415) 723-5594.
- UCD:** University of California, Davis
Contact: Ruth Feryok, Director, Office of Continuing Medical Education, University of California, Davis, School of Medicine, 2701 Stockton Blvd, Sacramento 95817. (916) 734-5390.
- UCI:** University of California, Irvine
Contact: Melvin I. Marks, MD, Director, Memorial/UCI Center for Health Education, Long Beach Memorial Medical Center, 2801 Atlantic Ave, PO Box 1428, Long Beach, California 90801-1428. (213) 595-3811.
- UCLA:** University of California, Los Angeles Extension
Contact: Martin D. Shickman, MD, Director, Continuing Education in Medicine and the Health Sciences, PO Box 24902, UCLA, Los Angeles 90024. (213) 825-8423.
- UCSD:** University of California, San Diego
Contact: Office of Continuing Medical Education, University of California, San Diego, School of Medicine (M-017), La Jolla 92093. (619) 534-3940.
- UCSF:** University of California, San Francisco
Contact: Janet Johnson, Administrative Director, Extended Programs in Medical Education, School of Medicine, University of California, San Francisco 94143. (415) 476-4251.
- USC:** University of Southern California
Contact: Phil R. Manning, MD, Associate Dean, Postgraduate Division, University of Southern California School of Medicine, 1975 Zonal Ave, KAM314, Los Angeles 90033. (213) 224-7051.

November 8-10—**Anesthesiology Update: 1991.** UCD at Monterey Plaza Hotel, Monterey. Fri-Sun. 14 hrs. \$370. Contact: UCD.

January 19-21—**Second America-Japan Anesthesia Congress.** International Anesthesia Research Society at Sheraton Waikiki Hotel, Honolulu, Hawaii. Sun-Tue. 14 hrs. \$250. Contact: Vicky Larsen, University of Utah School of Medicine, 50 North Medical Drive, Salt Lake City, UT 84132. (801) 581-6115.

January 19-24—**Hawaiian Seminar on Clinical Anesthesia.** California Society of Anesthesiologists at Westin Maui Hotel, Kaanapali Beach, Maui, Hawaii. Sun-Fri. 20 hrs. Contact: California Society of Anesthesiologists, 1065 E Hillsdale Blvd, #410, Foster City 94404. (800) 345-3691.

CARDIOLOGY

August 16-18—**Cardiac Diagnostic Methods and Risk Management.** Medical Education Resources at Disneyland Hotel, Anaheim. Fri-Sun. Contact: Medical Education Resources, 1500 W Canal Ct, Ste 500, Littleton, CO 80120. (800) 421-3756.

October 10-12—**Cardiology Update: 1991.** American College of Cardiology at Quail Lodge, Carmel. Thurs-Sat. 12.5 hrs. \$440. Contact: ACC, Extramural Programs, Dept 5080, Washington, DC 20061-5080. (800) 253-4636.

October 18-19—**Coronary Heart Disease Update.** Medical Education Resources at Parc Fifty Hotel, San Francisco. Fri-Sat. Contact: Karen DeBont, MER, 1500 W Canal Ct, Ste 500, Littleton, CO 80120-4528. (800) 421-3756.

October 18-19—**Cardiology for the Clinician.** Memorial/UCI Center for Health Education. Fri-Sat. Contact: UCI.

November 8-9—**Coronary Interventions: 1991.** Scripps Clinic and Research Foundation at La Jolla Marriott Hotel. Fri-Sat. 14 hrs. \$550. Contact: Susan Buntjer, 400S, 10666 N Torrey Pines Rd, La Jolla 92037. (619) 554-8556.

CRITICAL CARE

October 17-19—**Traumatic Brain Injury.** UCD at Radisson Hotel, Sacramento. Thurs-Sat. 26 hrs. Contact: UCD.

October 17-19—**10th Annual Recent Advances in Pulmonary and Critical Care Medicine.** UCSF at Sheraton Palace Hotel, San Francisco. Thurs-Sat. 15 hrs. \$395. Contact: UCSF.

DERMATOLOGY

August 16-20—**Fifth Annual Hot Spots in Dermatology: Masters Under the Mango Trees.** The Hawaii Dermatology Society and the Kauai Foundation at the Kaluakoi Hotel, Kepuhi Beach, Molokai, Hawaii. Fri-Tues. Contact: David Elperin, MD, Box 457, Kalaheo, HI 96741. (808) 245-1505.

August 26-28—**Dermatology for the Nondermatologist.** Continuing Medical Education Associates at Hotel del Coronado, San Diego. Mon-Wed. Contact: Jacqueline Shiller, Box 84296, San Diego 92138. (619) 223-2997.

November 8-10—**Pediatric Dermatology and Wound Management: Above and Below the Surface.** Children's Hospital Oakland at Monterey Conference Center, Monterey. Fri-Sun. 12 hrs. \$300. Contact: Children's Hospital, 747-52nd St, Oakland 94609. (415) 428-3021.

January 17-19—**Practical Dermatology and Dermatologic Office Procedures for the Primary Care Physician.** UCSD at Hyatt Regency, La Jolla. Fri-Sun. 20 hrs. Contact: Jacqueline Shiller, Box 84296, San Diego 92138. (619) 223-2997.

January 31-February 2—**Cutaneous Malignancies: 1992 Skin Cancer Update.** Scripps Clinic and Research Foundation at Sheraton Grande Torrey Pines Hotel, La Jolla. Fri-Sun. 18 hrs. Contact: Susan Buntjer, Scripps Clinic and Research Foundation, 10666 N Torrey Pines Road, La Jolla 92037. (619) 554-8556.

EMERGENCY MEDICINE

August 19-23—**Symposium II: Trauma and Surgery.** UCSD at La Jolla Marriott, La Jolla. Mon-Fri. 32 hrs. \$485. Contact: UCSD.

August 23-26—**Advances in Emergency Medicine.** Kaiser Permanente at Grand Hyatt Wailea Resort and Spa, Maui, Hawaii. Fri-Mon. Contact: Pat Salber, MD, Kaiser Permanente Hospital, 2200 O'Farrell, San Francisco 94115-3395.

(Continued on Page 122)

CONTINUING MEDICAL EDUCATION

(Continued from Page 118)

October 28-November 1—**Twentieth Annual Topics in Emergency Medicine.** UCSF at Sheraton Palace Hotel, San Francisco. Mon-Fri. 32 hrs. \$510. Contact: UCSF.

ENDOCRINOLOGY AND METABOLISM

October 18-20—**Obesity Update: Assessment & Treatment.** UCD at Hyatt Regency, Sacramento. Fri-Sun. Contact: UCD.

October 20-23—**Joint Annual Research Conference on Obesity & Food Intake.** North American Association of the Study of Obesity & Society for Study of Ingestive Behavior at Hyatt Regency, Sacramento. Sun-Wed. Contact: UCD.

November 1-2—**Practical Methods in Diabetes.** Memorial/UCI Center for Health Education at Meridien Newport Beach. Fri-Sat. Contact: UCD.

FAMILY PRACTICE/PRIMARY CARE

August 23-25—**Cardiology for the Family Physician and Internist.** Continuing Medical Education Associates at Hotel del Coronado, San Diego. Fri-Sun. Contact: Jacqueline Shiller, Box 84296, San Diego 92138. (619) 223-2997.

August 23-25—**4th Coronado Summer Conference on Primary Care Medicine: A Practical Approach.** Scripps Clinic and Research Foundation at Le Meridien Hotel, San Diego. Fri-Sun. 16 hrs. \$275. Contact: Laurie Jones, 10666 N Torrey Pines Rd., La Jolla 92037. (619) 554-9592.

October 2-4—**Sixth Annual Primary Care Medicine: Principles and Practice.** UCSF at Sheraton Palace Hotel, San Francisco. Wed-Fri. 19 hrs. \$465. Contact: UCSF.

October 18-20—**Office Orthopedics for the Primary Care Physician.** Sharp Memorial Hospital at San Diego Princess at Vacation Village. Fri-Sun. 20 hrs. Contact: Jacqueline Shiller, PO Box 84296, San Diego 92138. (619) 223-2997.

GASTROENTEROLOGY

September 20-22—**Gastroenterology: Recent Developments in Theory & Practice.** UCSF at Sheraton Palace Hotel, San Francisco. Fri-Sun. 18 hrs. \$420. Contact: UCSF.

INTERNAL MEDICINE

August 18-23—**New Advances in Internal Medicine.** UCD at Hyatt Regency, Monterey. Sun-Fri. 25 hrs. \$475. Contact: UCD.

August 26-30—**Internal Medicine Board Review.** Stanford University Medical Center. Mon-Fri. Contact: STAN.

September 6-7—**Cancer Detection & Management.** UCD at Cancer Center Auditorium. Fri-Sat. 12 hrs. Contact: UCD.

September 28—**Pain: Diagnosis, Treatment and Management.** Scripps Clinic and Research Foundation, La Jolla. Sat. 19 hrs. \$75. Contact: Laurel Steigerwald, 10666 N Torrey Pines Road, La Jolla 92037. (619) 554-8556.

October 14-20—**Seventeenth Annual Lymphoma Course.** Scripps Clinic and Research Foundation, La Jolla. Mon-Fri. 25 hrs. \$550. Contact: Laurel Steigerwald, 10666 N Torrey Pines Road, La Jolla 92037. (619) 554-8556.

November 2—**Cardiac Risk Reduction Conference.** UCD at Radisson Hotel, Sacramento. Sat. Contact: UCD.

November 7-9—**San Francisco Otolaryngology Update: 1991.** UCSF. Thurs-Sat. 22 hrs. Contact: UCSF.

November 15-16—**Pain Management.** UCD at Sterling Hotel, Napa. Fri-Sat. Contact: UCD.

November 21-23—**3rd Annual Symposium on Diagnosis and Treatment of Bone and Soft Tissue Tumors.** UCD at Hyatt Regency, Sacramento. Thurs-Sat. 16 hrs. \$450. Contact: UCD.

December 5—**Common Musculoskeletal Problems—Knee.** VA Medical Center Sepulveda. Thurs. 5.5 hrs. Contact: Arun Mehta, MD, VA Med Ctr, (818) 895-9344.

December 6-7—**Clinical Applications of New Advances in Internal Medicine.** UCD at Cancer Center Auditorium. Fri-Sat. Contact: UCD.

December 11-15—**American Back Society Fall Symposium on Back Pain.** St. Francis Memorial Hospital Spine Center at Marriott Hotel, San Francisco. Contact: Aubrey A. Swartz, 2647 E 14th St, #401, Oakland 94601. (415) 536-9929.

January 1-February 1—**15th Annual: Neurology for Non-Neurologists.** UCSD at Omni San Diego Hotel, San Diego. Thurs-Sat. 21 hrs. \$425. Contact: UCSD.

January 25-February 1—**15th Annual: Infectious Diseases in Clinical Practice.** UCSF at Beaver Run Resort and Conference Center, Breckenridge, Colorado. Sat-Sat. 24 hrs. Contact: UCSF.

OB/GYN

August 16-18—**Office Gynecology for the Primary Care Physician.** San Diego State University at the Hyatt Islandia, San Diego. Fri-Sun. Contact: Jacqueline Shiller, Box 84296, San Diego 92138. (619) 223-2997.

September 26-29—**Advanced Fetal Heart Rate Monitoring.** Memorial/UCI Center for Health Education. Thurs-Sun. Contact: UCI.

October 4-6—**3rd Annual Advanced Obstetrical & Transvaginal Ultrasound.** Memorial/UCI Center for Health Education at Doubletree Hotel/UCI Medical Center, Orange. Fri-Sun. Contact: UCI.

November 8-10—**Current Issues in Perinatal Medicine.** Memorial/UCI at Marriott's Rancho Las Palmas Resort, Palm Springs. Fri-Sun. Contact: UCI.

November 18-23—**14th Annual Review Course in Clinical Ob/Gyn and Gynecological Histopathology.** Memorial/UCI Center for Health Education at Westin South Coast Plaza, Costa Mesa. Mon-Sat. Contact: UCI.

October 23-26—**Trends in OB-GYN Management.** Sharp Memorial Hospital at Hotel del Coronado, San Diego. Wed-Sat. 16 hrs. Contact: Debra L. Gist, 7901 Frost St, San Diego 92123-2788. (619) 541-4530.

OCCUPATIONAL/ENVIRONMENTAL

September 28—**Indoor Air and Radon: Reducing Health Risks Forum.** CMA, AMA, and US EPA at LAX Marriott, Los Angeles. Sat. 4 hrs. Contact: Vickie Grosso. (312) 464-4574.

October 10-13—**35th Annual Western Occupational Health Conference: Changing Themes in Occupational Medicine.** Western Occupational Medical Association at Doubletree Hotel, Monterey. Thurs-Sun. Contact: Kate Larsen, (415) 764-4803.

October 21-25—**Sports Medicine Update.** Memorial/UCI Center for Health Education in Hawaii. Mon-Fri. Contact: UCI.

October 21-November 1—**Occupational and Environmental Medicine: Session II.** UCSF at Miyako Hotel, San Francisco. Mon-Fri. 80 hrs. \$1200. Contact: UCSF.

October 28-November 1—**Advances in Occupational and Environmental Medicine.** UCSF at Miyako Hotel, San Francisco. Mon-Fri. 40 hrs. \$600. Contact: UCSF.

January 27-February 7—**Occupational and Environmental Medicine Series: Session I.** UCSF at Miyako Hotel, San Francisco. Mon-Fri. 80 hrs. \$1200. Contact: UCSF.

OPHTHALMOLOGY

September 13-15—**Uveitis and Retina Frontiers—Diagnostic, Medical and Surgical Approaches.** UCSF at Carmel Valley Ranch Resort. Fri-Sun. Contact: UCSF.

October 13-17—**Joint Meeting of the American Academy of Ophthalmology and Pan-American Association of Ophthalmology at Anaheim Convention Center.** Sun-Thurs. Contact: AAO, PO Box 7424, San Francisco 94120. (415) 561-8500.

PATHOLOGY

October 12—**Thirty-first Annual Scientific Symposium on Kidney Disease.** National Kidney Foundation of Southern California at La Jolla Marriott, La Jolla. Sat. Contact: Sylvie Tarro, (213) 641-8152.

PEDIATRICS

August 19-21—**Pediatrics Update: 1991.** San Diego State University at the Hyatt Islandia, San Diego. Mon-Wed. Contact: Jacqueline Shiller, Box 84296, San Diego 92138. (619) 223-2997.

September 13-14—**Ambulatory Pediatrics.** UCD at Radisson Hotel, Sacramento. Fri-Sat. 12 hrs. Contact: UCD.

September 23-27—**Pediatrics in Paradise.** Valley Children's Hospital at Hyatt Regency, Kauai, Hawaii. Mon-Fri. 20 hrs. Contact: Valley Children's Hospital, Marketing and Planning, 3151 N Millbrook, Fresno 93703.

October 16-19—**16th Annual Pediatrics for the Practitioner.** Memorial/UCI Center for Health Education at Mauna Kea Beach Hotel, Kamuela, Hawaii. Wed-Sat. Contact: UCI.

(Continued on Page 127)

CONTINUING MEDICAL EDUCATION

(Continued from Page 122)

November 20-23—**Pediatric Infectious Disease Seminar.** University of Toronto at Four Seasons Hotel, Newport Beach. Wed-Sat. Contact: University of Toronto, Medical Science Bldg, Toronto, Ontario M5S 1A8. (416) 978-2718.

January 22-25—**San Diego Conference on Responding to Child Maltreatment.** Children's Hospital at Hyatt Regency Hotel, La Jolla. Wed-Sat. Contact: Children's Hospital, 8001 Frost St, San Diego 92123. (619) 495-4940.

PSYCHIATRY

November 8-10—**37th Annual Group Therapy Symposium.** UCSF at Handlery Union Square Hotel, San Francisco. Fri-Sun. Contact: UCSF.

RADIOLOGY

September 5-8—**Physics of Diagnostic Radiology, Nuclear Medicine and Radiation Biology.** UCD. Thurs-Sun. 25 hrs. \$395. Contact: UCD.

September 11-13—**The 7th Annual Sonography Update Conference and Exhibit.** UCSD at Hotel del Coronado, San Diego. Wed-Fri. 18 hrs. \$400. Contact: Dawne Ryals, Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

September 14-15—**Sonography Registry Review.** UCSD at Hotel del Coronado, San Diego. Sat-Sun. 16 hrs. \$200. Contact: Dawne Ryals, Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

September 23-26—**Applied Ultrasound: Accent on Doppler.** University of Alabama at Birmingham at Ritz-Carlton Resort Hotel, Laguna Niguel. Mon-Thurs. Contact: Dawne Ryals, Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

September 25-28—**Diagnosis of Musculoskeletal Disorders: State of the Art.** International Skeletal Society at Hotel del Coronado, San Diego. Wed-Sat. 28 hrs. \$450. Contact: Dawne Ryals, Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

October 2-6—**Current Concepts of Magnetic Resonance Imaging/Physics.** Stanford University Medical Center at Silverado Hotel, Napa Valley. Wed-Mon. 19 hrs. \$500. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

October 12-13—**Ultrasound: 1991.** UCD at Red Lion Inn, Sacramento. Sat-Sun. 10 hrs. \$215. Contact: UCD.

October 17-20—**1991 Annual Scientific Meeting.** Western Neuroradiological Society at Ritz Carlton Resort, Laguna Niguel. Thurs-Sun. Contact: Dawne Ryals, Ryals & Associates, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

October 20—**Magnetic Resonance Angiography.** UCSF at Hyatt Regency Hotel, San Francisco. Sun. 7 hrs. Contact: UCSF.

October 21-25—**Clinical Magnetic Resonance Imaging.** UCSF at Hyatt Regency Hotel, San Francisco. Mon-Fri. 32 hrs. \$595. Contact: UCSF.

October 26-27—**Advanced Imaging of the Musculoskeletal System.** UCSD at Hotel del Coronado, San Diego. Sat-Sun. 9 hrs. \$225. Contact: Dawne Ryals, Ryals & Associates, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

October 26-27—**Vascular Ultrasound: State of the Art.** UCSF at Ritz-Carlton Hotel, San Francisco. Sat-Sun. 12 hrs. \$285. Contact: UCSF.

October 28-November 1—**Sixteenth Annual Postgraduate Radiology Course.** UCSD at Hotel del Coronado, San Diego. Mon-Fri. 28.25 hrs. \$550. Contact: Dawne Ryals, Ryals & Associates, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

November 1-3—**11th Annual Interventional Radiology Course.** UCSD at Hotel del Coronado, San Diego. Fri-Sun. 15 hrs. \$375. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

November 4-8—**Diagnostic Radiology Seminars.** UCSF at Hyatt Regency, Maui, Hawaii. Mon-Fri. 24 hrs. \$595. Contact: UCSF.

November 15-17—**Advanced Seminars in Diagnostic Imaging.** UCSD at Ritz-Carlton Hotel, Laguna Niguel. Fri-Sun. \$400. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

REHABILITATIVE/THERAPEUTIC

October 5—**Antithrombotic Therapy.** UCD at Cancer Center Auditorium. Sat. 6 hrs. Contact: UCD.

November 14-16—**3rd Triennial Symposium on New Directions in Antiviral Chemotherapy.** UCSF at Sheraton Palace Hotel, San Francisco. Thurs-Sat. 19 hrs. \$200. Contact: UCSF.

SURGERY

September 12-13—**Advanced Endoscopic Surgery.** UCD. Thurs-Fri. 17 hrs. \$3200. Contact: UCD.

October 10-13—**Wound Management Workshop: October.** UCSD at San Diego Hilton Beach and Tennis Resort. Thurs-Sun. 18 hrs. \$435. Contact: Edith Bookstein, PO Box 2586, La Jolla 92038. (619) 454-3212.

October 27-30—**Preparing for Surgery: Medical Evaluation of the Preoperative Patient.** American College of Physicians and UCD at La Playa Hotel, Carmel. Sun-Wed. Contact: ACP, Independence Mall West, 6th St at Race, Philadelphia, PA 19106-1572. (800) 523-1546, ext. 2429.

November 2-9—**13th International Seminar on Operative Arthroscopy.** UCLA at Ritz-Carlton, Mauna Lani Resort, Hawaii. 1 week. 37 hrs. \$995. Contact: UCLA.

GENERAL/MULTIDISCIPLINARY

December 9-10—**Clinical Care of the AIDS Patient.** UCSF at San Francisco Marriott Hotel. Mon-Tues. 13 hrs. \$250. Contact: UCSF.

COLORADO

This listing of continuing medical education programs in Colorado is compiled by the Denver Medical Society. To list CME programs here, please send information at least two months in advance to: Mr Robert L. Kennedy, Denver Medical Society, 1850 Williams Street, Denver, CO 80218; or telephone (303) 377-1850.

Brochures, course information, and registration forms are available from the contact person or organization.

July 22-26—**Renal Disease for the Internist and Nephrologist.** University of Colorado School of Medicine at The Given Institute, Aspen. Mon-Fri. Contact: Joann Bauer, (303) 270-5195 or (800) 882-9513.

July 25-27—**Preparing for Reform—Proposals, Assumptions and Implications for Financing American Health Care—11th Annual Montgomery Dorsey Symposium.** Presbyterian/St. Luke's Community Foundation at Vail. Thurs-Sat. Contact: Mary Pettigrew, (303) 322-3515.

July 29-August 2—**Dynamic Psychotherapy.** University of Colorado School of Medicine at The Given Institute, Aspen. Mon-Fri. Contact: Joann Bauer, (303) 270-5195 or (800) 882-9513.

August 2-4—**Recent Advances in Cancer Therapy.** University of Colorado School of Medicine at The Given Institute, Aspen. Fri-Sun. Contact: Joann Bauer, (303) 270-5195 or (800) 882-9513.

August 4-8—**34th Annual Pediatric Program.** University of Colorado School of Medicine, Children's Hospital, and the Colorado Chapter of the American Academy of Pediatrics at The Given Institute, Aspen. Sun-Thurs. Contact: Bobbi Rubingh, (800) 882-9153 or (303) 270-5196.

August 5-9—**Respiratory Therapy Traineeship Program.** Children's Hospital, Denver. Mon-Fri. Contact: Jeff Griebel, (303) 861-6188.

August 8—**Basic and Advanced Fetal Heart Rate Monitoring.** University of Colorado Health Sciences Center, Denver. Thurs. Contact: Trish Beachy or Nancy Briggs, (303) 270-7117.

August 8-11—**Pulmonary Physiology.** University of Colorado School of Medicine at The Given Institute, Aspen. Thurs-Sun. Contact: Joann Bauer, (303) 270-5195 or (800) 882-9153.

August 15-17—**Musculoskeletal Society Annual Meeting.** In association with University of Colorado School of Medicine at Snowmass. Contact: Joann Bauer, (303) 270-5195 or (800) 882-9153.

August 17-24—**Eleventh Annual Comprehensive Fine Needle Biopsy Course.** University of California, San Francisco, at Aspen's Hotel Jerome. Sat-Sat. Contact: University of California, San Francisco, School of Medicine, Extended Programs in Medical Education, (415) 476-4251.

August 19-23—**Internal Medicine Board Review.** University of Colorado School of Medicine, Denver. Mon-Fri. Contact: Joann Bauer, (303) 270-5195 or (800) 882-9153.

August 20—**Vascular Occlusion of the Retina.** Lutheran Medical Center, Wheat Ridge. Tues. Contact: Cary L. Walker, (303) 425-2009.

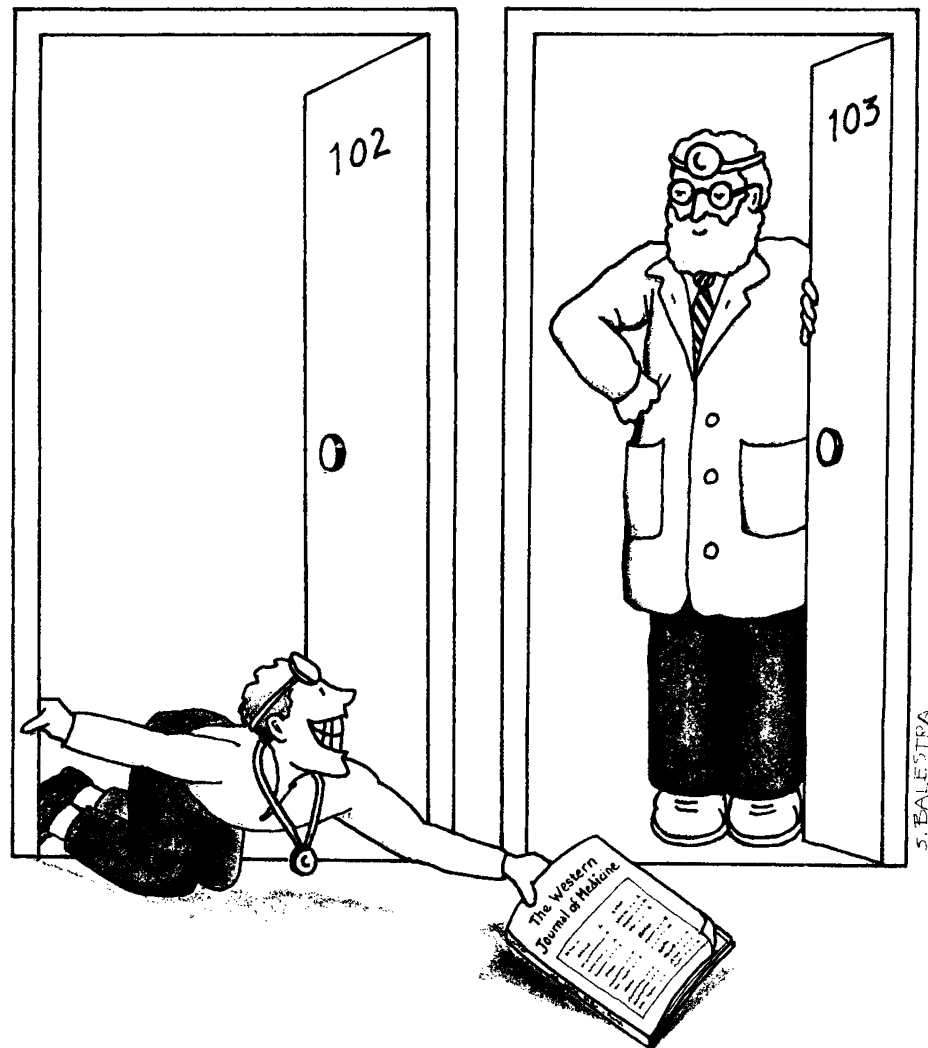
August 25-31—**Primary Care Orthopedics.** University of Colorado School of Medicine at The Given Institute, Aspen. Sun-Sat. Contact: Joann Bauer, (303) 270-5195 or (800) 882-9153.

August 27—**The Evaluation of the Hoarse Voice.** Lutheran Medical Center, Wheat Ridge. Tues. Contact: Cary L. Walker, (303) 425-2009.

September 5, 12, 19, 26—**Comprehensive Perinatal Nursing Course.** University of Colorado Health Sciences Center. Thurs. Contact: Trish Beachy or Nancy Briggs, (303) 270-7117.

September 13-14—**Colorado Post-Polio Connection 1991 Education Conference.** Colorado Easter Seal Society for Handicapped Children and Adults, Inc. at Westin Hotel at The Tabor Center, Denver. Fri-Sat. Contact: Alison Kron, (303) 233-1666.

(Continued on Page 131)



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CONTINUING MEDICAL EDUCATION

(Continued from Page 127)

September 17—**Prozac: Serotenergic Reuptake Inhibitors**. Lutheran Medical Center, Wheat Ridge. Tues. Contact: Cary L. Walker, (303) 425-2009.

September 27-28—**Montrose Fall Clinics for Physicians**. Montrose Memorial Hospital, Montrose. Fri-Sat. Contact: Kathy Holman, (303) 240-7397.

October 7-11—**Family Practice Review**, University of Colorado School of Medicine, Denver. Mon-Fri. Contact: Joann Bauer, (303) 270-5195 or (800) 882-9153.

October 10-13—**Rural Perinatal Traineeship Program**. Children's Hospital, Denver. Thurs-Sun. Contact: Christine Sievers-Spencer, (303) 861-6413.

October 25-26—**14th Annual Perinatal Conference**. Children's Hospital of Denver at Laramie, Wyoming. Fri-Sat. Contact: Christine Sievers-Spencer, (303) 861-6413.

November 7-10—**Rural Perinatal Traineeship Program**. Children's Hospital, Denver. Thurs-Sun. Contact: Christine Sievers-Spencer, (303) 861-6413.

November 14—**Pre-term Infant Feeding Conference**. University of Colorado Health Sciences Center, Denver. Thurs. Contact: Trish Beachy or Nancy Briggs, (303) 270-7117.

November 22-23—**Colorado Springs Perinatal Conference**. Children's Hospital of Denver at Colorado Springs. Fri-Sat. Contact: Christine Sievers-Spencer, (303) 861-6413.

December 2-6—**Respiratory Therapy Traineeship Program**. Children's Hospital, Denver. Mon-Fri. Contact: Jeff Griebel, (303) 861-6188.

First Wednesday of Each Month—**Various Topics in Neurology**. Sponsored by the Colorado Society of Clinical Neurologists. Contact: Colorado Society of Neurologists, (303) 449-3566.

CONTACT INFORMATION

U of Colo--Contact: University of Colorado School of Medicine, Office of Continuing Medical Education, 4200 E 9th Ave., Denver, CO. (303) 270-5195.

NEW MEXICO

Information, requests for accreditation, and items to be listed should be sent to the chair of the CME Committee, New Mexico Medical Society, 7770 Jefferson, Suite 400, Albuquerque, NM 87109, at least two months in advance. For information on CME accreditation or on the CME requirements of the New Mexico Board of Medical Examiners, please write to the above address or call (505) 828-0237.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution for current details.

September 5-7—**Frontiers of Health and Population Research**. Lovelace Medical Foundation, William Randolph Education Building, Albuquerque. Contact: Cathy Barboa, 2441 Ridgecrest SE, Albuquerque 87108. (505) 262-7650.

September 13-14—**New Mexico Chapter, American College of Surgeons—Annual Scientific Meeting**. Ramada Classic Hotel, Albuquerque. Contact: Diane Sansonetti, MD, 201 Cedar SE, Suite 810, Albuquerque 87106. (505) 842-9154, or Bonnie Smith, New Mexico Medical Society, (505) 828-0237 or (800) 748-1596.

September 22-25—**Fourth Annual Southwest Regional Substance Abuse Conference: A Continuum of Care**. Holiday Inn Pyramid, Albuquerque. Contact: Marian Greher, 1479 Morning Glory NE, Albuquerque 87122. (505) 299-2266.

October 12-13—**Common Problems in Pediatric Nephrology**. Cloudcroft Lodge, Cloudcroft. Contact: Joe Dean, MD, 813 N Washington, Roswell 88201. (505) 622-2606.

November 1-3—**The 12 Lead ECG for the Primary Care Physician**. Presbyterian Hospital, Albuquerque. Contact: Jan Grieve, New Mexico Heart Clinic, 1001 Coal SE, Albuquerque 87106. (505) 242-2796 or (800) 888-6642.

November 8—**G.I. Update 1991**. Marriott Hotel, Albuquerque. Contact: Ann Winter, St Joseph Health Care Systems, 601 Grand NE, Albuquerque 87102. (505) 246-8004.

(Continued on Page 198)

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TAGAMET® (brand of cimetidine)

See complete prescribing information in SmithKline Beecham Pharmaceuticals literature or PDR. The following is a brief summary.

Contraindications: Tagamet is contraindicated for patients known to have hypersensitivity to the product.

Precautions: Rare instances of cardiac arrhythmias and hypotension have been reported following the rapid administration of Tagamet (brand of cimetidine hydrochloride) injection by intravenous bolus.

Symptomatic response to Tagamet therapy does not preclude the presence of a gastric malignancy. There have been rare reports of transient healing of gastric ulcers despite subsequently documented malignancy.

Reversible confusional states have been observed on occasion, predominantly in severely ill patients.

Tagamet has been reported to reduce the hepatic metabolism of warfarin-type anticoagulants, phenytoin, propranolol, chlordiazepoxide, diazepam, certain tricyclic antidepressants, lidocaine, theophylline and metronidazole. Clinically significant effects have been reported with the warfarin anticoagulants; therefore, close monitoring of prothrombin time is recommended, and adjustment of the anticoagulant dose may be necessary when Tagamet is administered concomitantly. Interaction with phenytoin, lidocaine and theophylline has also been reported to produce adverse clinical effects.

However, a crossover study in healthy subjects receiving either Tagamet 300 mg q.i.d. or 800 mg h.s. concomitantly with a 300 mg b.i.d. dosage of theophylline (Theo-Dur®, Key Pharmaceuticals, Inc.) demonstrated less alteration in steady-state theophylline peak serum levels with the 800 mg h.s. regimen, particularly in subjects aged 54 years and older. Data beyond ten days are not available. (Note: All patients receiving theophylline should be monitored appropriately, regardless of concomitant drug therapy.)

In a 24-month toxicity study in rats, at dose levels approximately 8 to 48 times the recommended human dose, benign Leydig cell tumors were seen. These were common in both the treated and control groups, and the incidence became significantly higher only in the aged rats receiving Tagamet.

A weak antiandrogenic effect has been demonstrated in animals. In human studies, Tagamet has been shown to have no effect on spermatogenesis, sperm count, motility, morphology or in vitro fertilizing capacity.

Pregnancy Category B. Reproduction studies have been performed in rats, rabbits and mice at doses up to 40 times the normal human dose and have revealed no evidence of impaired fertility or harm to the fetus due to Tagamet. There are, however, no adequate and well-controlled studies in pregnant women. Because animal reproductive studies are not always predictive of human response, this drug should be used during pregnancy only if clearly needed.

Lack of experience to date precludes recommending Tagamet for use in children under 16, unless anticipated benefits outweigh potential risks; generally, nursing should not be undertaken by patients taking the drug since cimetidine is secreted in human milk.

Adverse Reactions: Diarrhea, dizziness, somnolence, headache. Reversible confusional states (e.g., mental confusion, agitation, psychosis, depression, anxiety, hallucinations), predominantly in severely ill patients, have been reported. Reversible impotence in patients with pathological hypersecretory disorders receiving Tagamet, particularly in high doses for at least 12 months, has been reported. The incidence of impotence in large-scale surveillance studies at regular doses has not exceeded that commonly reported in the general population. Gynecomastia has been reported in patients treated for one month or longer. Decreased white blood cell counts in Tagamet-treated patients (approximately 1 per 100,000 patients), including agranulocytosis (approximately 3 per million patients), have been reported, including a few reports of recurrence on challenge. Most of these reports were in patients who had serious concomitant illnesses and received drugs and/or treatment known to produce neutropenia. Thrombocytopenia (approximately 3 per million patients) and, very rarely, cases of aplastic anemia have also been reported. Increased serum transaminase has been reported. Reversible adverse hepatic effects, cholestatic or mixed cholestatic-hepatocellular in nature, have been reported rarely. Because of the predominance of cholestatic features, severe parenchymal injury is considered highly unlikely. A single case of biopsy-proven periportal hepatic fibrosis in a patient receiving Tagamet has been reported. Increased plasma creatinine has been reported. Rare cases of fever, interstitial nephritis, urinary retention, pancreatitis and allergic reactions, including anaphylaxis and hypersensitivity vasculitis, have been reported. Rare cases of bradycardia, tachycardia and A-V heart block have been reported with H₂-receptor antagonists. Reversible arthralgia, myalgia and exacerbation of joint symptoms in patients with pre-existing arthritis have been reported rarely. Rare cases of polymyositis have been reported, but no causal relationship has been established. Mild rash and, very rarely, cases of severe generalized skin reactions (e.g., Stevens-Johnson syndrome, epidermal necrolysis, erythema multiforme, exfoliative dermatitis and generalized exfoliative erythroderma) have been reported with H₂-receptor antagonists. Reversible alopecia has been reported very rarely.

How Supplied: Tablets: 200 mg tablets in bottles of 100; 300 mg tablets in bottles of 100 and Single Unit Packages of 100 (intended for institutional use only); 400 mg tablets in bottles of 60 and Single Unit Packages of 100 (intended for institutional use only), and 800 mg "Tiltab" tablets in bottles of 30 and Single Unit Packages of 100 (intended for institutional use only).

Liquid: 300 mg/5 mL, in 8 fl oz (237 mL) amber glass bottles and in single-dose units (300 mg/5 mL), in packages of 10 (intended for institutional use only).

Injection:

Vials: 300 mg/2 mL in single-dose vials, in packages of 10 and 30, and in 8 mL multi-dose vials, in packages of 10 and 25.

Prefilled Syringes: 300 mg/2 mL in single-dose prefilled disposable syringes.

Single-Dose Premixed Plastic Containers: 300 mg in 50 mL of 0.9% Sodium Chloride in single-dose plastic containers, in packages of 4 units. No preservative has been added.

Exposure of the premixed product to excessive heat should be avoided. It is recommended the product be stored at controlled room temperature. Brief exposure up to 40°C does not adversely affect the premixed product.

ADD-Vantage® Vials: 300 mg/2 mL in single-dose ADD-Vantage® Vials, in packages of 25.

Tagamet (brand of cimetidine hydrochloride) Injection premixed in single-dose plastic containers is manufactured for SmithKline Beecham Pharmaceuticals by Baxter Healthcare Corporation, Deerfield, IL 60015.

BRS-TG-L82

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INSTRUCTIONS FOR AUTHORS

Our readership represents all specialties of medicine. We wish to receive and publish manuscripts that are valid, important, lively, well-written, and succinct. They should be of interest to a broad range of busy practitioners, students, researchers, and scholars who have a clinical orientation. The purpose of a paper or letter may be to alert, review, discuss—above all, to teach. Titles should be short and intriguing. Avoid jargon, the overuse of abbreviations and acronyms, sexist language, redundancies, or expendable words and phrases (see *AMA Manual of Style*, 8th Edition).

Manuscript Information

Manuscripts should be sent to the Editor, Linda Hawes Clever, MD, *The Western Journal of Medicine*, 221 Main Street, San Francisco, California 94105. Manuscripts must be original, not previously published, and not under consideration by another publication. If preliminary data were included in another presentation or publication, that should be noted in the cover letter and a copy of that publication should be included.

Manuscripts should not exceed 3,000 words (15 double-spaced pages). Case Reports, Alerts, and Notices should not exceed 1,500 words. Lessons From the Practice should not exceed 1,000 words.

Manuscripts, except for Case Reports, Epitomes, and Lessons From the Practice, should include an abstract of no more than 200 words summarizing the article. Abstracts should include a description of the purpose, design, patients, results, and conclusions.

Letters to the Editor must be double-spaced and will be published at the discretion of the Editors. They may be edited for style and brevity. Those of a scientific nature may be subject to peer review. They should be no more than 500 words in length. Authors will be sent galley proofs before publication.

Letter of Transmittal

All authors must sign the letter of transmittal, with one author designated as correspondent and his or her name, address, and telephone number included.

The order of authorship is determined by the authors. All authors should meet the basic criteria for authorship (as stated below). Because order of authorship is assigned in different ways its meaning cannot be inferred accurately unless it is stated by the authors. Authors may wish to add an explanation of the order of authorship in a footnote. In deciding on order, authors should be aware that many journals limit the number of authors listed in the table of contents and that the National Library of Medicine lists in MEDLINE only the first 10 authors.

A letter of transmittal, except for one accompanying a manuscript from US Government employees whose work was done as part of their official duties, must include a paragraph that transfers copyright: "In consideration for reviewing and editing my submission, the author(s) undersigned hereby transfers, assigns, or otherwise conveys all copyright ownership to *The Western Journal of Medicine*, in the event that such work is published by the journal."

The letter of transmittal must include a statement of author responsibility: "I have participated in the conception and design of this work and in the writing of the manuscript and take public responsibility for it. I have reviewed the final version of the manuscript and approve it for publication. I attest to the validity and legitimacy of data in the manuscript and agree to be named as the lead author or coauthor of the manuscript."

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Research or project support should be included as a footnote to the manuscript or the accompanying cover letter.

Manuscripts concerned with experimental investigation on human subjects must include in the text a statement that all subjects gave their informed consent and that approval of the appropriate ethics committee was obtained.

Acknowledgments

Acknowledgments will be printed on a select basis—to acknowledge those who contributed to but were not involved in the writing or review of the paper.

Preparation of Manuscripts

Everything, including references, tables, figure legends, and abstracts, **must be double-spaced**.

The original manuscript and two copies should be submitted on standard-sized heavy bond paper. Allow a margin of 2.5 to 4 cm (1 to 1.5 in) on both sides. Manuscripts transmitted by facsimile machine are not acceptable unless requested by the Editors.

All values should be in Système International (SI) units, with metric equivalents following in parentheses. Temperature readings should be given in Celsius. Use the generic name of drugs, with the salt or ester given when first used.

Figures (illustrations) should be submitted in triplicate in black and white, unmounted 12.7 × 17.8 cm (5 × 7 in) glossy prints, with the figure number, author's name, and top of the photo indicated with a label on the back. Patients (and relatives) have a right to anonymity in published clinical documentation. Details that might identify patients should be avoided unless essential for scientific purposes. Masking of the eye region in photographs of patients may be inadequate protection of anonymity. If identification of patients is unavoidable, informed consent should be obtained, and this should be clearly stated in the article. Changing data on patients should not be used as a way of securing anonymity. Figure legends, to be typed in sequence on the same page, should be in complete sentences. Any figures or tables previously published must be accompanied by a letter of permission to borrow from the copyright holder (the previous publisher). The permission of the authors should also be obtained. The Editors discourage the use of borrowed figures or tables.

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Abbreviations of journal titles should conform to those used in *Index Medicus*. List up to six authors; for seven or more, use et al after listing the first three.

1. Jones JS, Anderson HW Jr, Johnson DW, et al: The athletic heart revisited—Sudden death of a 28-year-old athlete. *JAMA* 1978; 292:444-456

2. Berman SM, Shah B, Wyle FA, Dacosta-Iyer M, McRae DM: Disseminated *Pneumocystis carinii* in a patient receiving aerosolized pentamidine prophylaxis. *West J Med* 1990; 153:82-86

Books

3. Berne EJ: Role playing in therapy, chap 2, *Principles of Group Therapy*. New York, NY, Oxford University Press, 1966, pp 35-51 (author of book is same as author of chapter)

4. Munsung JD: The role of drugs, chap 2, *In* Brest AN, Mayer JD (Eds): *Hypertension—Vol 3, Therapy*, 2nd Ed. Chicago, Ill, Year Book Medical Publishers, 1961, pp 456-479 (authors of book differ from chapter author)

Correspondence

5. Shusterman D: Espresso maker's wrist (Correspondence). *West J Med* 1990; 152:721-722

Government Publications

6. The Health Consequences of Smoking—Cardiovascular Disease: A Report of the Surgeon General. Washington,

DC, US Dept of Health and Human Services publication No. (PHS) 84-50204, 1983

7. Centers for Disease Control: Update: Acquired immunodeficiency syndrome—United States. *MMWR* 1987; 36:522-526

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8. O'Connell M: A Controlled Trial of Regional Intra-arterial FUDR Versus Systemic 5FU for the Treatment of Metastatic Colorectal Cancer Confined to the Liver. Presented at the annual meeting of the American Society of Clinical Oncology, San Francisco, December 1989

Mass Circulation Publications (Do not include in reference list; put in text)

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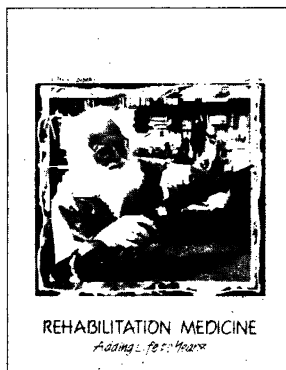
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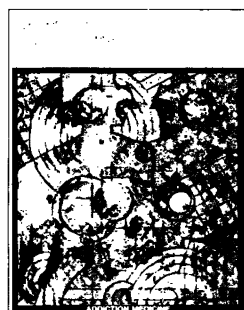


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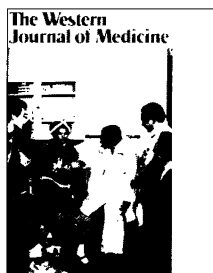


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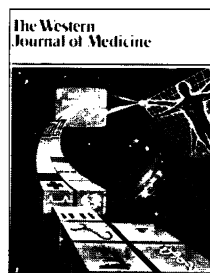
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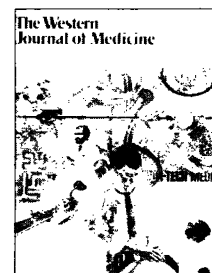
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(Continued from Page 131)

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This listing of continuing medical education courses in Utah is compiled and edited by the CME office of the Utah Medical Association. All courses listed have been certified by CME accredited institutions as meeting the criteria for Category 1 of the Physician's Recognition Award of the American Medical Association. Accredited institutions wishing to list AMA Category 1 CME courses here should send information at least two months in advance to the Office of Continuing Medical Education, 540 East Fifth South, Salt Lake City, UT 84102; or phone (801) 355-5290. For information on CME accreditation, please write the CME office at the above address.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution.

MEDICAL GRAND ROUNDS

Each Wed—8:00-9:00 a.m. Alternating between University of Utah Medical Center and VA Medical Center, Salt Lake City. Contact: William D. Odell, MD, PhD, Professor and Chairman, Dept of Internal Medicine, Univ of Utah, (801) 581-7606.

* * *

September 27-29—**Laser Surgery—Laparoscopic Cholecystectomy** (Sponsor: UUSM). Fri-Sun. The Laser Institute, University of Utah, Salt Lake City. Contact: (801) 581-7001.

November 15-16—**Laser Surgery—Laparoscopic Cholecystectomy** (Sponsor: UUSM). Fri-Sat. The Laser Institute, University of Utah, Salt Lake City. Contact: (801) 581-7001.

SPONSORS OF COURSES—ABBREVIATIONS

AHA:	American Heart Association, Utah Affiliate, 645 E 400 South, Salt Lake City 84102. (801) 322-5601.
CH:	Castlevue Hospital (formerly Carbon Hospital), RFD 2, Box 46, Price 84501. (801) 637-4800.
HCH:	Holy Cross Hospital, 1045 E First South, Salt Lake City 84102. (801) 350-4744.
ITS:	Intermountain Thoracic Society, 1616 S 11th East, Salt Lake City 84105. (801) 484-4456.
LDSH:	LDS Hospital, 8th Ave and "C" St, Salt Lake City 84143. (801) 321-1100.
LRH:	Logan Regional Hospital, 1400 N 5th East, Logan 84321. (801) 752-2050.
MDH:	McKay-Dee Hospital Center, 3939 Harrison Blvd, Ogden 84409. (801) 399-4141.
MVH:	Mountain View Hospital, 1000 E Highway 6, Payson 84651. (801) 465-9201.
144:	144th Evacuation Hospital, PO Box 8000, Salt Lake City 84108. (801) 524-3924.
OSS:	Ogden Surgical Society, PO Box 9311, Ogden 84409.
PVH:	Pioneer Valley Hospital, 3460 S 4155 West, West Valley City 84120. (801) 968-9061.
UOS:	Utah Ophthalmological Society, 540 E 500 South, Salt Lake City 84102. (801) 355-7477.
USH:	Utah State Hospital, PO Box 270, Provo 84603-0270. (801) 373-4400.
UUSM:	University of Utah School of Medicine, Office of Continuing Medical Education, 50 N Medical Dr, Salt Lake City 84132. (801) 581-8664.
VAMC:	Veterans Administration Medical Center, 500 Foothill Dr, Salt Lake City 84148. (801) 582-1565.
VVMC:	Valley View Medical Center, 595 S 75 East, Cedar City 84720. (801) 586-6587.
WRI:	Western Rehabilitation Institute, 8074 S 1300 East, Sandy 84094. (801) 561-3400.

WASHINGTON

The listing of continuing medical education programs in Washington state is compiled by the Washington State Medical Association. To list Category 1 programs here, please send information at least two months in advance to Continuing Medical Education, Washington State Medical Association, 2033 Sixth Avenue, Suite 900, Seattle, WA 98121; or phone (206) 441-WSMA.

Brochures and registration forms are available from the contact person or organization listed at the end of each course or in the list of course sponsors and contact information.

August 15-18—**World Gathering on Bereavement**. Kirkland. Thurs-Sun. Contact: Evergreen Hospital, (206) 878-3710.

August 17-18—**Advanced Cardiac Life Support**. Seattle. Sat-Sun. Contact: VMMC.

August 23-25—**ACCME Regional Workshop**. Seattle. Fri-Sun. Contact: U/W.

September 12-13—**Resolving the Ethical Dilemmas in Animal Protocol Review**. Seattle. Thurs-Fri. Contact: U/W.

September 13—**New Therapies in Hepatobiliary Disease**. Seattle. Fri. Contact: VMMC.

September 16-20—**Family Practice Review**. Seattle. Mon-Fri. Contact: U/W.

September 20-21—**Practical Management of Substance Abuse**. Seattle. Thurs-Fri. Contact: U/W.

September 26—**Cardiology Update**. Everett. Thurs. Contact: Pacific Northwest Medical Education Institute, (206) 258-6322.

September 27—**Surgery Update**. Seattle. Fri. Contact: U/W.

October 5—**2nd Annual Practice Update for Rural Physicians**. Seattle. Sat. Contact: VMMC.

October 10-12—**Burn Update**. Seattle. Thurs-Sat. Contact: U/W.

October 17-19—**Endoscopic Sinus Surgery**. Seattle. Thurs-Sat. Contact: U/W.

October 18—**Atypical Pneumonia Syndromes**. Seattle. Fri. Contact: VMMC.

October 18-20—**Spinal Cord Injury**. Seattle. Fri-Sun. Contact: U/W.

October 24—**Geriatrics**. Everett. Thurs. Contact: Pacific Northwest Medical Education Institute, (206) 258-6322.

November 1—**Radical Surgery Update**. Seattle. Fri. Contact: VMMC.

November 7-8—**Drug Update: Prescription for the '90s**. Seattle. Thurs-Fri. Contact: (206) 258-6322.

November 8—**25th Annual Cancer Conference**. Seattle. Fri. Contact: VMMC.

November 14-15—**Drug Therapy**. Seattle. Thurs-Fri. Contact: U/W.

December 6—**Practical Pediatrics**. Seattle. Fri. Contact: VMMC.

December 6-7—**Urology**. Seattle. Fri-Sat. Contact: (206) 441-9762.

December 12-14—**American College of Physicians**. Seattle. Thurs-Sat. Contact: U/W.

December 12-14—**7th Annual ID Conference**. Everett. Thurs-Sat. Contact: Pacific Northwest Medical Education Institute, (206) 258-6322.

COURSE SPONSORS AND CONTACT INFORMATION

CME HARBORVIEW—Contact: Gayle Splater, Cytology Continuing Education, Dept. of Pathology, Harborview Medical Center, 325 Ninth Avenue, Seattle, WA 98104. (206) 223-5953.

PCMS CME—Contact: Mrs Maxine Bailey, Executive Director, College of Medical Education, 705 South Ninth, No. 203, Tacoma, WA 98405. (206) 627-7137.

U/W (UNIVERSITY OF WASHINGTON)—Contact: U/W School of Medicine, Div. of CME, SC-50, Seattle, WA 98195. (206) 543-1050.

WSMA—Washington State Medical Association, Continuing Medical Education, 2033 Sixth Ave, Suite 900, Seattle, WA 98121. (206) 441-9762.

VMMC (VIRGINIA MASON MEDICAL CENTER)—Contact: Linda Orgel, Division of Continuing Medical Education, Virginia Mason Medical Center, PO Box 900, Seattle, WA 98111. (206) 223-6898.

WYOMING

October 25-26—**14th Annual Perinatal Conference**. Children's Hospital of Denver at Laramie. Fri-Sat. Contact: Christine Sievers-Spencer, (303) 861-6413. ♦

(Continued from Page 207)

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BC/BE DIAGNOSTIC RADIOLOGIST needed immediately for small two person rural office and hospital practice in northeastern Oregon. X-ray, ultrasound, nuclear medicine, CT, mammo, with mobile MRI in the works. Contact Beverly Jahncke; (503) 276-2431.

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BE/BC UROLOGIST to join busy 28 doctor multispecialty group practice. Excellent practice opportunity, full range of benefits, early partnership status. For more information contact Shane Spray, 1400 Kincaid, Mount Vernon, WA 98273; (206) 428-2524.

FULL-TIME PAY/PART-TIME WORK. \$116K plus, two weeks on, two weeks off, malpractice and overhead paid. Churchill Community Hospital in Fallon, Nevada is looking for an Emergency Room Physician to work a block schedule. ACLS, ATLS, Primary Care BC. 10,000 patients per year serving a large rural area. Located 60 miles east of Reno and Lake Tahoe area. Other and supplemental practice opportunities available. Contact Betty Kuffel, MD, ED or Jeffrey Feike, Administrator; (702) 423-3151.

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ORTHOPAEDIST—BC/BE for expanding San Francisco bay area practice emphasizing Occupational Medicine and medical-legal evaluation seeks full-time nonsurgery practicing Orthopaedist. Outstanding reputation, facilities and support staff, established referral base. Unique income opportunities. Submit CV and letter stating professional goals and availability to: Administrator, 2040 Polk St, Box 337, San Francisco, CA 94109.

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Arizona Medical Association, Inc—810 W Bethany Home Rd, Phoenix 85013. (602) 246-8901. Annual Meeting: 1992, date and location to be announced.

California Medical Association—PO Box 7690, San Francisco 94120-7690. (415) 541-0900. Annual Meeting: March 13-18, 1992, Disneyland Hotel, Anaheim.

Colorado Medical Society—PO Box 17550, Denver 80217-0550. (303) 779-5455. Annual Meeting: September 20-22, 1991, Snowmass.

Hawaii Medical Association—1360 S Beretania, Honolulu 96814. (808) 536-7702. Annual Meeting: October 11-13, 1991, Westin Kauai.

Idaho Medical Association—305 W Jefferson, PO Box 2668, Boise 83701. (208) 344-7888. Annual Meeting: 1992, date and location to be announced.

Montana Medical Association—2012 11th Ave, Suite 12, Helena 59601. (406) 443-4000. Annual Meeting: October 3-4, 1991, Kalispell.

Nevada State Medical Association—3660 Baker Lane, Reno 89502. (702) 825-6788. Annual Meeting: 1992, date and location to be announced.

New Mexico Medical Society—7770 Jefferson, Suite 400, Albuquerque 87109. (505) 828-0237. Annual Meeting: 1992, date and location to be announced.

Oregon Medical Association—5210 SW Corbett Ave, Portland 97201. (503) 226-1555. Annual Meeting (House of Delegates only): 1992, date and location to be announced.

Utah Medical Association—540 E Fifth South, Salt Lake City 84102. (801) 355-7477. Annual Meeting: September 11-13, 1991, University Park Hotel, Salt Lake City.

Washington State Medical Association—900 United Airlines Bldg, 2033 6th Ave, Seattle 98121. (206) 441-WSMA. Annual Meeting: September 19-22, 1991, Red Lion, Bellevue.

Wyoming Medical Society—PO Drawer 4009, Cheyenne 82003-4009. (307) 635-2424. Annual Meeting: 1992, date and location to be announced.

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